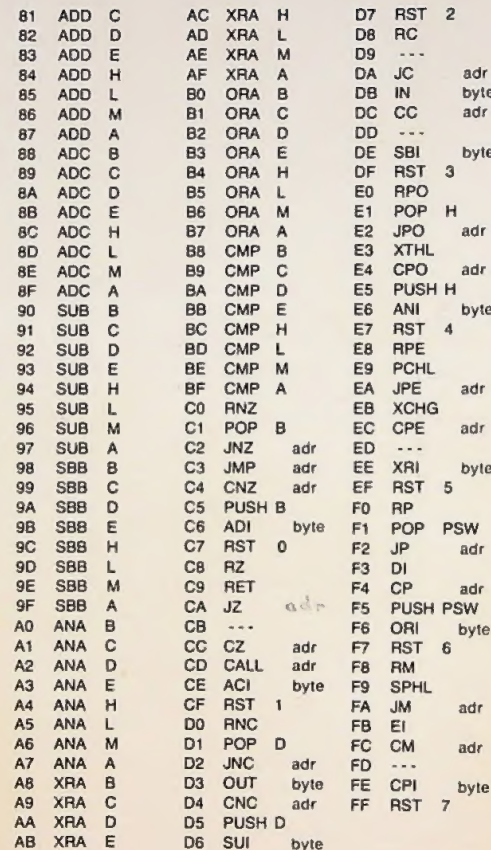
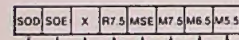


| Name | Code | Restart Address |
|---------|-----------------------|--------------------|
| RST 0 | C7 | 0000 ₁₆ |
| RST 1 | CF | 0008 ₁₆ |
| RST 2 | D7 | 0010 ₁₆ |
| RST 3 | DF | 0018 ₁₆ |
| RST 4 | E7 | 0020 ₁₆ |
| TRAP | Hardware* Function | 0024 ₁₆ |
| RST 5 | EF | 0028 ₁₆ |
| RST 5.5 | Hardware* Function | 002C ₁₆ |
| RST 6 | F7 | 0030 ₁₆ |
| RST 6.5 | Hardware* Function | 0034 ₁₆ |
| RST 7 | FF | 0038 ₁₆ |
| RST 7.5 | Hardware* Function | 003C ₁₆ |

| | | | | | | | | |
|----|------|---------|----|------|----------|----|-----|-----|
| 00 | NOP | | 2B | DCX | H | 56 | MOV | D,M |
| 01 | LXI | B, dble | 2C | INR | L | 57 | MOV | D,B |
| 02 | STAX | B | 2D | DCR | L | 58 | MOV | E,A |
| 03 | INX | B | 2E | MVI | L, byte | 59 | MOV | E,C |
| 04 | INR | B | 2F | CMA | | 5A | MOV | E,D |
| 05 | DCR | B | 30 | SIM* | | 5B | MOV | E,E |
| 06 | MVI | B, byte | 31 | LXI | SP, dble | 5C | MOV | E,H |
| 07 | RLC | | 32 | STA | adr | 5D | MOV | E,L |
| 08 | --- | | 33 | INX | SP | 5E | MOV | E,M |
| 09 | DAD | B | 34 | INR | M | 5F | MOV | E,A |
| 0A | LDAX | B | 35 | DCR | M | 60 | MOV | H,B |
| 0B | DCX | B* | 36 | MVI | M, byte | 61 | MOV | H,C |
| 0C | INR | C | 37 | STC | | 62 | MOV | H,D |
| 0D | DCR | C | 38 | --- | | 63 | MOV | H,E |
| 0E | MVI | C, byte | 39 | DAD | SP | 64 | MOV | H,H |
| 0F | RRC | | 3A | LDA | adr | 65 | MOV | H,L |
| 10 | --- | | 3B | DCX | SP | 66 | MOV | H,M |
| 11 | LXI | D, dble | 3C | INR | A | 67 | MOV | H,A |
| 12 | STAX | D | 3D | DCR | A | 68 | MOV | L,B |
| 13 | INX | D | 3E | MVI | A, byte | 69 | MOV | L,C |
| 14 | INR | D | 3F | CMC | | 6A | MOV | L,D |
| 15 | DCR | D | 40 | MOV | B,B | 6B | MOV | L,E |
| 16 | MVI | D, byte | 41 | MOV | B,C | 6C | MOV | L,H |
| 17 | RAL | | 42 | MOV | B,D | 6D | MOV | L,L |
| 18 | --- | | 43 | MOV | B,E | 6E | MOV | L,M |
| 19 | DAD | D | 44 | MOV | B,H | 6F | MOV | L,A |
| 1A | LDAX | D | 45 | MOV | B,L | 70 | MOV | M,B |
| 1B | DCX | D | 46 | MOV | B,M | 71 | MOV | M,C |
| 1C | INR | E | 47 | MOV | B,A | 72 | MOV | M,D |
| 1D | DCR | E | 48 | MOV | C,B | 73 | MOV | M,E |
| 1E | MVI | E, byte | 49 | MOV | C,C | 74 | MOV | M,H |
| 1F | RAR | | 4A | MOV | C,D | 75 | MOV | M,L |
| 20 | RIM* | | 4B | MOV | C,E | 76 | HLT | |
| 21 | LXI | H, dble | 4C | MOV | C,H | 77 | MOV | M,A |
| 22 | SHLD | adr | 4D | MOV | C,L | 78 | MOV | A,B |
| 23 | INX | H | 4E | MOV | C,M | 79 | MOV | A,C |
| 24 | INR | H | 4F | MOV | C,A | 7A | MOV | A,D |
| 25 | DCR | H | 50 | MOV | D,B | 7B | MOV | A,E |
| 26 | MVI | H, byte | 51 | MOV | D,C | 7C | MOV | A,H |
| 27 | DAA | | 52 | MOV | D,D | 7D | MOV | A,L |
| 28 | --- | | 53 | MOV | D,E | 7E | MOV | A,M |
| 29 | DAD | H | 54 | MOV | D,H | 7F | MOV | A,A |
| 2A | LHLD | adr | 55 | MOV | D,L | 80 | ADD | B |

All mnemonics copyright © Intel Corporation 1976

| | | | | | | | |
|-----|------|------|------|----|------|------|------|
| SID | 17.5 | 16.5 | 15.5 | IE | M7.5 | M6.5 | M5.5 |
|-----|------|------|------|----|------|------|------|



| | | | | | | | |
|----|-------------|----|----|----|---|----|------------|
| 00 | NUL | 21 | ! | 42 | B | 63 | c |
| 01 | SOH | 22 | " | 43 | C | 64 | d |
| 02 | STX | 23 | # | 44 | D | 65 | e |
| 03 | ETX | 24 | \$ | 45 | E | 66 | f |
| 04 | EOT | 25 | % | 46 | F | 67 | g |
| 05 | ENQ | 26 | & | 47 | G | 68 | h |
| 06 | ACK | 27 | ' | 48 | H | 69 | i |
| 07 | BEL | 28 | (| 49 | I | 6A | j |
| 08 | BS | 29 |) | 4A | J | 6B | k |
| 09 | HT | 2A | * | 4B | K | 6C | l |
| 0A | LF | 2B | + | 4C | L | 6D | m |
| 0B | VT | 2C | , | 4D | M | 6E | n |
| 0C | FF | 2D | - | 4E | N | 6F | o |
| 0D | CR | 2E | . | 4F | O | 70 | p |
| 0E | SO | 2F | / | 50 | P | 71 | q |
| 0F | SI | 30 | 0 | 51 | Q | 72 | r |
| 10 | DLE | 31 | 1 | 52 | R | 73 | s |
| 11 | DC1 (X-ON) | 32 | 2 | 53 | S | 74 | t |
| 12 | DC2 (TAPE) | 33 | 3 | 54 | T | 75 | u |
| 13 | DC3 (X-OFF) | 34 | 4 | 55 | U | 76 | v |
| 14 | DC4 (TAPE) | 35 | 5 | 56 | V | 77 | w |
| 15 | NAK | 36 | 6 | 57 | W | 78 | x |
| 16 | SYN | 37 | 7 | 58 | X | 79 | y |
| 17 | ETB | 38 | 8 | 59 | Y | 7A | z |
| 18 | CAN | 39 | 9 | 5A | Z | 7B | { |
| 19 | EM | 3A | : | 5B | [| 7C | |
| 1A | SUB | 3B | ; | 5C | \ | 7D | } |
| 1B | ESC | 3C | < | 5D |] | | (ALT MODE) |
| 1C | FS | 3D | = | 5E | ^ | 7E | ~ |
| 1D | GS | 3E | > | 5F | _ | 7F | DEL |
| 1E | RS | 3F | ? | 60 | ` | | (RUB OUT) |
| 1F | US | 40 | @ | 61 | a | | |
| 20 | SP | 41 | A | 62 | b | | |

Printed in U.S.A./A314/1077/20K BL



**MCS
85**

98-4388

